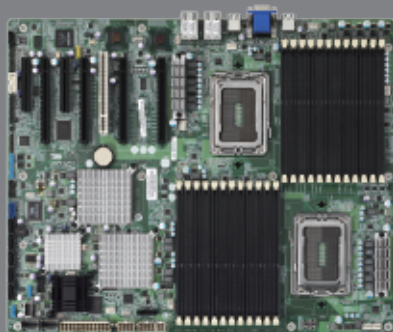
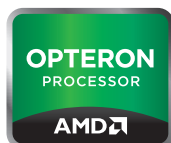


DUAL-SOCKET SERVER PLATFORM

S8232

S8232WGM4NR / S8232GM4NR /
S8232WAG2NRF-LE / S8232AG2NRF-LE



■ AMD Opteron™ 6100 / 6200 series

High-End Dual-socket server platform for HPC

- Dual G34 socket supports (2) AMD Opteron™ 6100/6200 series processor
- AMD® (2)SR5690 North Bridge + SP5100 South
- (12)+(12) 240-pin DDR3 DIMM slots support up to 256GB R-DDR3 and 64GB U-DDR3 1333/1066/800MHz w/ ECC memory
- (4) PCI-E Gen.2 x16 slot (w/ x16 link)
- (2) PCI-E Gen.2 x8 slots (w/ x4 link)
- (1) PCI slot
- (6) SATA-II connectors w/ RAID 0, 1, 10, 5 support
- (2) Mini-SAS connectors for 8 SAS/SATA device w/ RAID 0,1,1E,10
- (4) GbE LAN , 2 Intel 82576 LAN
- TPM 1.2 (Trusted Platform Module) optional
- Onboard BMC w/ IPMI and iKVM support
- MEB 13" x 16" (330 x 406mm) form factor

S8232

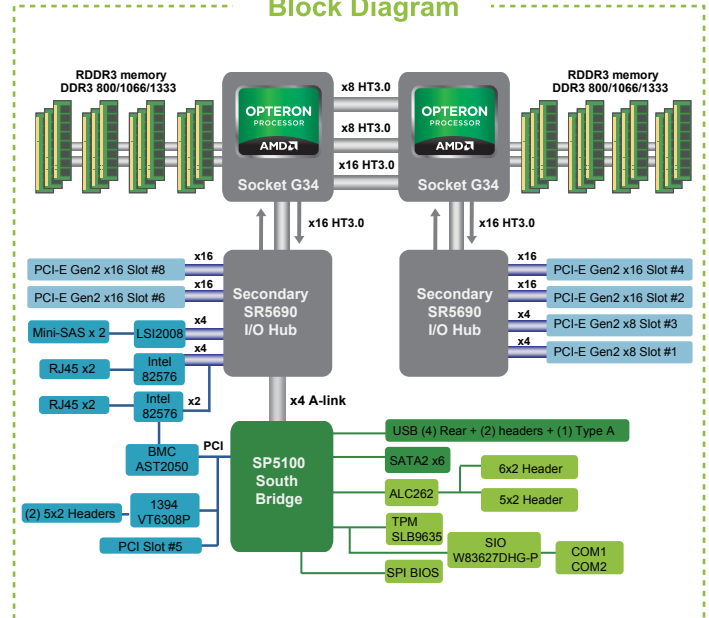
S8232WGM4NR / S8232GM4NR /
S8232WAG2NRF-LE / S8232AG2NRF-LE

TYAN

Specifications

Processor	Supported CPU Series	AMD Opteron™ 6100/6200 series processors
	Socket Type / Q'ty	LGA1944 / (2)
	Thermal Design Power (TDP) wattage	Up to 105W
Chipset	Chipset	AMD® (2)SR5690 + SP5100 -LE SKU (1)SR5690 + SP5100
	Super I/O	Winbond W83627
Memory	Supported DIMM Qty	(12)+(12) DIMM sockets
	DIMM Type / Speed	DDR3 800/1066/1333 UDIMM /RUIMM
	Capacity	Up to 256GB RDIMM/ 64GB UDIMM
	Memory channel	4 Channels per CPU
Expansion Slots	Memory voltage	up to 1.5V
	PCI-E	(4) PCI-E Gen.2 x16 slots(w/ x16 link) (2) PCI-E Gen2x8 slots (w/x4 link) (2) PCI-E Gen2x16 slots (w/x16 link) -E SKU
	Recommended TYAN® Riser Card	
LAN	PCI	(1) PCI
	Port Q'ty	Max (4)
Storage	Controller	(2) Intel® 82576
	SAS (opt.)	Connector (2) Mini-SAS ports
		Controller LSI SAS2008 (-W SKUs only)
		Speed 6.0 Gb/s
	SATA	RAID RAID 0/1/1E/10 (LSI Integrated RAID)
		Connector (6) single-port
		Controller AMD SP5100
		Speed 6 for 3.0 Gb/s
Graphic	RAID	RAID 0/1/10/5 (Promise raid stack)
	Connector type	D-Sub 15-pin
	Resolution	1600x1200@60Hz
Audio	Chipset	Aspeed AST2050
	Chipset	N/A
Firewire	Feature	N/A
	Port Q'ty	N/A
TPM (Optional)	Chipset	N/A
	Port Q'ty	N/A
Input /Output	Chipset	SLB9635
	Version	TPM v1.2
	USB	(9) USB2.0 ports (4 at rear, 4 via cable, 1 type A onboard)
	COM	(2) ports (1 at rear, 1 via cable)
	PS/2	None
	SAS	(2) Mini-SAS ports
	VGA	(1) D-Sub 15-pin VGA port
	RJ-45	Max (4) GbE ports
	Power	Universal 24-pin + 8-pin + 8-pin + 4-pin power connectors
	Front Panel	(1) 2x12 pin SSI front panel header
	SATA	(6) single port SATA-II connectors
System Monitoring	Chipset	Winbond W83793G
	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Fan	Total (8) 4-pin headers
	Temperature	Monitors temperature for CPU & system environment
Others	Others	Chassis intrusion detection
	Others	Watchdog timer support

Block Diagram



Server Management	Onboard Chipset	Onboard Aspeed AST2050
	AST2050 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) BIOS update USB 2.0 virtual hub
	AST2050 iKVM Feature	24-bit high quality video compression Dual 10/100 Mb/s MAC interfaces
BIOS	Brand / ROM size	AMI / 4MB
	Feature	Plug and Play (PnP) / PCI 2.3 WfM2.0 / SMBIOS2.3 / PXE boot ACPI 2.0 power management Power on mode after power recovery User-configurable H/W monitoring Auto-configurable of hard disk types Multiple boot options
Form Factor	Form Factor	MEB
	Board Dimension	13" x 16" (330 x 406mm)
Operating System	OS supported list	Please refer to our OS supported list.
	FCC (DoC)	Class B
Regulation	CE (DoC)	Yes
	Operating Temp.	10° C ~ 35° C (41° F ~ 95° F)
Operating Environment	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
	In/Non-operating Humidity	Operating Relative Humidity: 15% to 90% (non-condensing) Non-operating Relative Humidity: 10% to 95% (non-condensing)
	RoHS	RoHS 6/6 Complaint

(Specifications are subject to change without notice. Items pictured may only be representative.)

MITAC INTERNATIONAL CORP.

TYAN Business Unit

USA
Tel: +1-510-651-8868
Fax: +1-510-651-7688

Taiwan
Tel: +886-2-2652-5888
Fax: +886-2-2652-5805

Japan
Tel: +81-3-3769-8311
Fax: +81-3-3769-8328

Europe
Sales: +32 2456 1721
Technical Support: +32 2456 1722

China
Shanghai Tel: +86-21-61431188 Ext 1366
China Tel: +86-010-62555015 Ext 8302